

Recovery Plan Action Status

Plan Name: Light-footed Clapper Rail Recovery Plan - Revised

Plan Status: Final Revision 1

Plan Date: 24-Jun-85

Lead Agency: USFWS

Lead Office: Carlsbad Fish And Wildlife Office

(760)

431-9440)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Light-footed clapper rail (Rallus longirostris levipes)	1	1111	Kendall-Frost Reserve: Remove exotic vegetation	Complete	Prior to FY 1995	Prior to FY 1995	University of California, California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Internal Technical Assistance	
Light-footed clapper rail (Rallus longirostris levipes)	1	1112	Kendall-Frost Reserve: Identify and resolve water quality problems	Not Started			University of California, U.S. Fish and Wildlife Service, Environmental Contaminants, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (Rallus longirostris levipes)	1	1113	Kendall-Frost Reserve: Coordinate with vector control	Unknown			University of California, Mosquito Abatement District, U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (Rallus longirostris levipes)	1	1121	Upper Newport Bay: Restore tidal action to salt ponds	Complete	Prior to FY 1995		Orange County, California, City of Newport Bay, California, Irvine County, California, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	Completion date uncertain, salt ponds no longer evident. Dredging activities have removed former salt ponds.

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Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	1	1122	Upper Newport Bay: Prevent siltation	Ongoing Current	Prior to FY 1995		National Marine Fisheries Service , California Regional Water Quality Control Board, U.S. Army Corps of Engineers	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	ACOE, County, City and CDFG completed implementation of the Upper Newport Bay Ecological Restoration Program in the Fall of 2010. This project involved dredging of side channels and dredging tidal basins to create traps for sediment. This project is now in its post dredging monitoring phase to monitor response of habitats and species to dredging activities. Future dredging is anticipated to be needed in about 19 years.
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	1	1123	Upper Newport Bay: Control pollutants	Ongoing Current	Prior to FY 1995		California Regional Water Quality Control Board	Work type not yet selected	Labor type not yet selected	RWQCB working with County to establish Total Maximal Daily Loads (TMDLs) for various pollutants in watershed

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Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	1	1124	Upper Newport Bay: Control debris	Planned	Prior to FY 1995		Orange County, California	Management: Habitat Maintenance and Manipulation	Internal Technical Assistance, Volunteer	Three trash booms have historically been deployed to capture debris in Newport Bay; one along San Diego Creek managed by IRWD, one along the Delhi Channel managed by the County and a 3rd boom near the Newport Aquatic Center by the City of Newport Beach on a seasonal basis. The Delhi and Newport booms remain in place. The San Diego Creek boom has been removed due to reduced efficacy from surrounding vegetation. Re-establishment of this boom likely will rely upon the County securing any necessary permits to manage vegetation in this vicinity and securing funding to operate the boom. Volunteer trash clean-up days are implemented by the Friends of Newport Bay and Trails- 4- All to remove debris from within the Bay and along the Delhi channel.
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	1	1125	Upper Newport Bay: Identify and resolve water quality problems	Ongoing Current	FY 1995 - FY 1999		California Regional Water Quality Control Board	Management	Labor type not yet selected	RWQCB working with County to establish Total Maximal Daily Loads (TMDLs) for various pollutants in watershed

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Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	1	1126	Upper Newport Bay: Coordinate with vector control	Ongoing Not Current	Prior to FY 1995		Mosquito Abatement District, U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1131	Anaheim Bay: Restore tidal action to surrounding uplands	Complete	Prior to FY 1995	Prior to FY 1995	U.S. Fish and Wildlife Service National Wildlife Refuge System	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1132	Anaheim Bay: Determine causes of elevational differences of nesting habitat (it is lower in elevation) than at other nesting sites thus requiring management with nesting platforms to avoid nest flooding	Partially Complete	Prior to FY 1995	Prior to FY 1995	United States Navy	Work type not yet selected	Labor type not yet selected	A study was complete in 1994 that looked at this issue. May conduct future studies to identify other factors.
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1133	Anaheim Bay: Develop fringing freshwater marsh	Discontinued	Prior to FY 1995		U.S. Fish and Wildlife Service National Wildlife Refuge System, United States Navy	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1134	Anaheim Bay: Create nest hummocks	Discontinued	Prior to FY 1995		U.S. Fish and Wildlife Service National Wildlife Refuge System, United States Navy	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1135	Anaheim Bay: Enhance Spartina	Not Started			U.S. Fish and Wildlife Service National Wildlife Refuge System, California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1136	Anaheim Bay: Control pollutants	Ongoing Current	Prior to FY 1995		California Department of Water Resources, U.S. Fish and Wildlife Service, Environmental Contaminants, United States Navy	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1137	Anaheim Bay: Control debris	Ongoing Current	Prior to FY 1995		United States Navy	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	

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Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1138	Anaheim Bay: Identify and resolve water quality problems	Ongoing Current	FY 2008		California Department of Water Resources, United States Navy	Work type not yet selected	Labor type not yet selected	Funding provided to WRCB by U.S. Navy.
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	1	1139	Anaheim Bay: Coordinate with vector control	Ongoing Current	Prior to FY 1995		Mosquito Abatement District, U.S. Fish and Wildlife Service, Endangered Species Division, United States Navy	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1141	South Bay Marine Reserve: Develop low marsh	Obsolete			California Department of Fish and Game, United States Navy	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1142	South Bay Marine Reserve: Determine feasibility of establishing Spartina	Obsolete			California Department of Fish and Game, United States Navy	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1143	South Bay Marine Reserve: Control human disturbance	Unknown	Prior to FY 1995		United States Navy	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	1	1144	South Bay Marine Reserve: Improve tidal channel network	Not Started				Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	1	1145	South Bay Marine Reserve: Create nest hummocks	Not Started				Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1151	Santa Margarita River Estuary: Improve/restore tidal action	Not Started			California Department of Fish and Game, United States Navy	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1152	Santa Margarita River Estuary: Develop fringing freshwater marsh	Obsolete			United States Navy	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1153	Santa Margarita River Estuary: Create nest hummocks	Obsolete			United States Navy	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1154	Santa Margarita River Estuary: Develop low marsh	Not Started			United States Navy	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1155	Santa Margarita River Estuary: Enhance Spartina vigor	Not Started			United States Navy	Work type not yet selected	Labor type not yet selected	

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Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1156	Santa Margarita River Estuary: Improve tidal channel network	Obsolete			United States Navy	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1157	Santa Margarita River Estuary: Control human disturbance	Ongoing Current	FY 1995 - FY 1999		United States Navy	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1158	Santa Margarita River Estuary: I.D. and control predators	Ongoing Current	Prior to FY 1995		United States Navy	Work type not yet selected	Labor type not yet selected	Traditional section 6 grant continued to fund detection and control of predators
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1159	Santa Margarita River Estuary: Control and reduce sedimentation	Not Started			United States Navy	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	1	1161	Tijuana Marsh: Restore tidal circulation	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service National Wildlife Refuge System, United States Navy	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	TETRP project is being implemented to improve tidal influence. Continuing to work with Refuges to maintain and improve circulation.
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	1	1162	Tijuana Marsh: Develop fringing freshwater marsh	Obsolete			U.S. Fish and Wildlife Service National Wildlife Refuge System, California Department of Fish and Game, United States Navy	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	1	1163	Tijuana Marsh: Enhance <i>Spartina</i>	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service National Wildlife Refuge System, California Department of Fish and Game, United States Navy	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	1	1164	Tijuana Marsh: Control human disturbance	Ongoing Current	Prior to FY 1995		California Department of Parks and Recreation, U.S. Fish and Wildlife Service National Wildlife Refuge System, United States Navy	Other: Law Enforcement	Labor type not yet selected	Border Fence is complete; human disturbance from illegal traffic is decreasing. Continuing to work with CBP, CSP and USFWS LE to address issues.

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Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	1	1165	Tijuana Marsh: Control pollutants	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Environmental Contaminants, U.S. Fish and Wildlife Service National Wildlife Refuge System, California Department of Fish and Game, United States Navy	Management: Land Use	Labor type not yet selected	Currently working with partners to implement additional measures. Goat Canyon sediment basins are excavated annually for the reduction of sediment and improved water quality.
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	1	1166	Tijuana Marsh: Control Debris	Ongoing Current	Prior to FY 1995		California Department of Parks and Recreation, U.S. Fish and Wildlife Service National Wildlife Refuge System, United States Navy	Management: Land Use	Labor type not yet selected	Currently working with partners to implement additional measures. Goat Canyon sediment basins are excavated annually for the reduction of sediment and improved water quality.
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	1	1167	Tijuana Marsh: Identify and resolve water quality problems	Ongoing Current	Prior to FY 1995		California Department of Parks and Recreation, California Department of Water Resources, U.S. Fish and Wildlife Service, Environmental Contaminants, U.S. Fish and Wildlife Service National Wildlife Refuge System, California Department of Fish and Game, United States Navy	Research: Ecosystem Studies	Labor type not yet selected	Continued swmp program Coast keeper partnering with Surfrider are collecting water quality data.

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Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	1	1168	Tijuana Marsh: Coordinate with vector control	Ongoing Current	Prior to FY 1995		California Department of Parks and Recreation, Mosquito Abatement District, U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Fish and Wildlife Service National Wildlife Refuge System, California Department of Fish and Game, United States Navy	Management: Land Use	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	117	Identify potential for rails at Cocklebur Canyon	Discontinued			U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	2	1211	Carpinteria Marsh: I.D. land ownership and pursue protective measures	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	2	1212	Carpinteria Marsh: Improve / resotre tidal channel network	Ongoing Current	FY 1995 - FY 1999		University of California at Santa Barbara, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	2	1213	Carpinteria Marsh: Identify and resolve water quality problems	Unknown			California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	2	1214	Carpinteria Marsh: Control sedimentation	Ongoing Current	FY 1995 - FY 1999		California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	2	1215	Carpinteria Marsh: Develop nest hummocks	Not Started			California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1221	San Joaquin Marsh and adjacent lands: I.D. land ownership and pursue protective measures	Complete	Prior to FY 1995	FY 1995 - FY 1999	U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	

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Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1222	San Joaquin Marsh and adjacent lands: I.D. and control predators	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1223	San Joaquin Marsh and adjacent lands: Control pollutants	Ongoing Current	Prior to FY 1995		University of California, Irvine, Irvine Ranch Water District	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1224	San Joaquin Marsh and adjacent lands: Identify and resolve water quality problems	Ongoing Current	FY 1995 - FY 1999		University of California, Irvine, Irvine Ranch Water District	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1225	San Joaquin Marsh and adjacent lands: Coordinate with vector control	Ongoing Current	FY 1995 - FY 1999		Mosquito Abatement District, U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1231	Aqua Hedionda Lagoon: I.D. land ownership and pursue protective measures	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Management: Land Use	Labor type not yet selected	CDFG conducting regular management
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1232	Aqua Hedionda Lagoon: Develop fringing freshwater marsh	Not Started			California Department of Fish and Game	Management: Land Use	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1233	Aqua Hedionda Lagoon: Develop high marsh	Not Started			California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1234	Aqua Hedionda Lagoon: Develop nest hummocks	Not Started			California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1235	Aqua Hedionda Lagoon: Develop low marsh	Not Started			California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1236	Aqua Hedionda Lagoon: Enhance Spartina	Not Started			California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	

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Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1237	Aqua Hedionda Lagoon: Control disturbance	Ongoing Current	FY 2000 - FY 2004		California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	purchased and fenced Caltrans parcels to control illegal off road use
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1238	Aqua Hedionda Lagoon: I.D. and control predators	Not Started			California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	CDFG currently controlling nest predators for least tern
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1239	Aqua Hedionda Lagoon: Control sedimentation	Planned	FY 1995 - FY 1999		California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	CDFG conducting regular mangagement
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1241	San Elijo Lagoon: I.D. land ownership and pursue protective measures	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Management: Land Use	Labor type not yet selected	CDFG monitoring as per regular management
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1242	San Elijo Lagoon: Improve / restore tidal action	Ongoing Current	FY 1995 - FY 1999		California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1243	San Elijo Lagoon: Develop low marsh	Not Started			California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1244	San Elijo Lagoon: Enhance Spartina	Not Started			California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1245	San Elijo Lagoon: I.D. and control predators	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Management: Predator and Competitor Control	Labor type not yet selected	CDFG conducting regular mangagement
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1246	San Elijo Lagoon: Control pollutants	Not Started			California Department of Water Resources, U.S. Fish and Wildlife Service, Environmental Contaminants, California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	CDFG conducting regular mangagement

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Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1247	San Elijo Lagoon: Control sedimentation	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1248	San Elijo Lagoon: Identify and resolve water quality problems	Ongoing Current	FY 2000 - FY 2004		California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1249	San Elijo Lagoon: Coordinate with vector control	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Ecological Services Division, Mosquito Abatement District, California Department of Fish and Game	Management: Disease Control	Labor type not yet selected	CDFG conducting regular mangagement
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1251	San Diego Flood Control Channel: I.D. land ownership and pursue protective measures	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	CDFG conducting regular mangagement
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1252	San Diego Flood Control Channel: Develop high marsh	Obsolete			U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1253	San Diego Flood Control Channel: Create nest hummocks	Not Started			California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	2	12611	Paradise Marsh: I.D. land ownership and pursue protective measures	Complete	Prior to FY 1995	Prior to FY 1995	U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Management: Land Use	Labor type not yet selected	

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Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	2	12612	Paradise Marsh: Improve / restore tidal action	Ongoing Current	FY 2008		U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	Weir at the southern entrance to Paradise Marsh was cleared of debris by excavator under Refuge direction in 2009. Circulation improved. Burn ash remediation project is in the planning stages.
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	2	12613	Paradise Marsh: Create nest hummocks	Discontinued			California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	2	12614	Paradise Marsh: Develop low marsh	Not Started			California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	12615	Paradise Marsh: Determine feasibility of introducing Spartina	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Research: Habitat Status	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	2	12616	Paradise Marsh: Improve tidal channel network	Ongoing Current	FY 2008		California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	Why is CDF&G listed here and in the next column? They have no presence on the refuge to speak of.
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	2	12617	Paradise Marsh: Control disturbance	Ongoing Current	FY 1995 - FY 1999		California Department of Fish and Game	Other: Law Enforcement	Labor type not yet selected	Refuge LE staff patrol site periodically. Refuge works with volunteers to remove homeless encampment associated trash and tidal debris
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	2	12621	Sweetwater Marsh: I.D. land ownership and pursue protective measures	Complete	Prior to FY 1995	Prior to FY 1995	U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Management: Land Use	Labor type not yet selected	1988. Completed when sweetwater refuge was established.
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	2	12622	Sweetwater Marsh: Develop fringing freshwater marsh	Obsolete			California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	

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Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	2	12623	Sweetwater Marsh: Develop low marsh	Planned			California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	2	12624	Sweetwater Marsh: Determine feasibility of establishing Spartina	Partially Complete	Prior to FY 1995		California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	2	12625	Sweetwater Marsh: Improve tidal channel network	Ongoing Current	FY 2008		California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	2	12626	Sweetwater Marsh: Control disturbance	Ongoing Current	Prior to FY 1995		California Department of Fish and Game	Management: Land Use	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	2	12627	Sweetwater Marsh: Identify and resolve water quality problems	Partially Complete	Prior to FY 1995		California Department of Fish and Game	Management: Land Use	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	2	12628	Sweetwater Marsh: Coordinate with vector control	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Ecological Services Division, Mosquito Abatement District, California Department of Fish and Game	Management: Land Use	Labor type not yet selected	Ongoing work with County of San Diego Vector Control is managed under a NWR Special Use Permit.
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	12631	E Street Marsh: I.D. land ownership and pursue protective measures	Complete	Prior to FY 1995	Prior to FY 1995	U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Management: Land Use	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	12632	E Street Marsh: Develop low marsh	Planned	FY 2006		California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	12633	E Street Marsh: Determine feasibility of establishing Spartina	Ongoing Current	Prior to FY 1995		California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	12634	E Street Marsh: Improve tidal channel network	Ongoing Current	FY 2008		California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	12635	E Street Marsh: Control human disturbance	Ongoing Current	Prior to FY 1995		California Department of Fish and Game	Management: Other	Labor type not yet selected	

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Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	12641	F Street Marsh: I.D. land ownership and pursue protective measures	Complete	Prior to FY 1995	Prior to FY 1995	U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Management: Land Use	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	12642	F Street Marsh: Improve / restore tidal action	Planned			California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	12643	F Street Marsh: Develop low marsh including planting <i>Spartina</i>	Planned			California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	12644	F Street Marsh: Improve tidal channel network	Planned			California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	12645	F Street Marsh: Control human disturbance	Ongoing Current	Prior to FY 1995		California Department of Fish and Game	Other: Law Enforcement	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	12651	J Street Marsh: I.D. land ownership and pursue protective measures	Planned	FY 2007		U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Management: Land Use	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	12652	J Street Marsh: I.D. potential for rails	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Research: Habitat Status	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	12653	J Street Marsh: Develop low marsh	Not Started			California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	12654	J Street Marsh: Enhance <i>Spartina</i>	Not Started			California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	12655	J Street Marsh: Improve tidal channel network	Not Started			California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	12656	J Street Marsh: Control human disturbance	Not Started			California Department of Fish and Game	Other: Law Enforcement	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	12657	J Street Marsh: Control pollutants	Not Started			California Department of Water Resources, U.S. Fish and Wildlife Service, Environmental Contaminants, California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1271	Otay River Mouth: I.D. land ownership and pursue protective measures	Complete	Prior to FY 1995	FY 1995 - FY 1999	U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1272	Otay River Mouth: Determine potential for rails	Ongoing Current	FY 2006		U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Research: Habitat Status	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1273	Otay River Mouth: Enhance Spartina	Planned	FY 2006		California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	1274	Otay River Mouth: Control human disturbance	Ongoing Current	FY 1995 - FY 1999		California Department of Fish and Game	Other: Law Enforcement	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	2	1281	Perserve Baja California habitat: Coordinate and cooperate with Fauna Silvestre	Ongoing Current	FY 1995 - FY 1999		Fauna Silvestre (Mexico), U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	2	1282	Perserve Baja California habitat: Determine status and distribution in Mexico	Ongoing Current	FY 1995 - FY 1999		Fauna Silvestre (Mexico), U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	2	1283	Perserve Baja California habitat: Delineate other management actions for individual marshes in Mexico	Ongoing Not Current	Prior to FY 1995		Fauna Silvestre (Mexico), U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2121	Goleta Slough: restore tidal action	Ongoing Current	FY 2000 - FY 2004		California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	

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Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2122	Goleta Slough: Develop low marsh	Not Started			California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2123	Goleta Slough: Investigate introducing <i>Spartina</i>	Not Started			California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2124	Goleta Slough: Improve tidal network	Not Started			California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2125	Goleta Slough: control debris	Not Started			California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2126	Goleta Slough: Identify and resolve water quality problems	Ongoing Current	FY 2000 - FY 2004		California Department of Water Resources, U.S. Fish and Wildlife Service, Environmental Contaminants, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	221	Ventura River Mouth: Assess potential for rails	Ongoing Not Current	FY 1995 - FY 1999		California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	If potential good, undertake following actions.
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2221	Ventura River Mouth: I.D. land ownership and pursue protective measures	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2222	Ventura River Mouth: Improve / restore tidal action	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2223	Ventura River Mouth: Control pollutants	Not Started			California Department of Water Resources, U.S. Fish and Wildlife Service, Environmental Contaminants, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	223	Santa Clara River Mouth: Assess potential for rails	Ongoing Not Current	FY 1995 - FY 1999		California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	If potential good, undertake following actions.

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Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2241	Santa Clara River Mouth: I.D. land ownership and pursue protective measures	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2242	Santa Clara River Mouth: Improve / restore tidal action	Not Started			California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	225	Mugu Lagoon: Assess potential for rails	Ongoing Current	Prior to FY 1995		United States Navy	Work type not yet selected	Labor type not yet selected	If potential good, undertake following actions.
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2261	Mugu Lagoon: Develop fringing freshwater marsh	Not Started			United States Navy	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2262	Mugu Lagoon: Create nest hummocks	Obsolete			United States Navy	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	231	Malibu Lagoon: Assess potential for rails	Ongoing Not Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	If potential good, undertake following actions.
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2321	Malibu Lagoon: I.D. land ownership and pursue protective measures	Partially Complete	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2322	Malibu Lagoon: Improve / restore tidal action	Partially Complete	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	Underway
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	233	Ballona Wetlands: Assess potential for rails	Ongoing Not Current	Prior to FY 1995		California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	If potential good, undertake following actions.
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2341	Ballona Wetlands: I.D. land ownership and pursue protective measures	Partially Complete	Prior to FY 1995		California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2342	Ballona Wetlands: Improve / restore tidal action	Partially Complete	FY 2000 - FY 2004		California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2343	Ballona Wetlands: Develop fringing freshwater marsh	Not Started			California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2344	Ballona Wetlands: Create nest hummocks	Not Started			California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2345	Ballona Wetlands: Develop low marsh	Not Started			California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2346	Ballona Wetlands: Enhance Spartina	Not Started			California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	235	Cabrillo Wetlands: Assess potential for rails	Not Started			California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	236	Cabrillo Wetlands: If Good potential I.D. land ownership and pursue protective measures	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	237	Cerritos Wetlands: Assess potential for rails	Ongoing Not Current	Prior to FY 1995		California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	To be completed FY-4. If good potential, undertake following actions.
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2381	Cerritos Wetlands: I.D. land ownership and pursue protective measures	Partially Complete	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2382	Cerritos Wetlands: Create nest hummocks	Not Started			California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2383	Cerritos Wetlands: Create low marsh	Not Started			California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2384	Cerritos Wetlands: Enhance Spartina	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	241	Bolsa Chica: Assess potential for rails	Ongoing Current	Prior to FY 1995		California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2421	Bolsa Chica: I.D. land ownership and pursue protective measures	Partially Complete	Prior to FY 1995		California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	If good potential, undertake following actions.

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Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2422	Bolsa Chica: Improve / restore tidal action	Partially Complete	Prior to FY 1995		California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2423	Bolsa Chica: Develop fringing freshwater marsh, high marsh and low marsh	Not Started			California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2424	Bolsa Chica: Create nest hummocks	Obsolete			California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2425	Bolsa Chica: Enhance Spartina	Not Started			California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2426	Bolsa Chica: Improve tidal channel network	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2427	Bolsa Chica: Control human disturbance	Ongoing Current	Prior to FY 1995		California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2428	Bolsa Chica: Identify and resolve water quality problems	Partially Complete	FY 2000 - FY 2004		California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2429	Bolsa Chica: Coordinate with vector control	Ongoing Current	Prior to FY 1995		Mosquito Abatement District, U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	243	Santa Ana River Mouth: Assess potential for rails	Obsolete	FY 2000 - FY 2004		California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	If good potential, undertake following actions.
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2441	Santa Ana River Mouth: I.D. land ownership and pursue protective measures	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2442	Santa Ana River Mouth: Improve / restore tidal action	Partially Complete	Prior to FY 1995		California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Light-footed clapper rail (Rallus longirostris levipes)	3	2443	Santa Ana River Mouth: Develop fringing freshwater marsh	Not Started			California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (Rallus longirostris levipes)	3	2444	Santa Ana River Mouth: Develop low marsh including planting of Spartina	Partially Complete	Prior to FY 1995		California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (Rallus longirostris levipes)	3	2445	Santa Ana River Mouth: Improve tidal channel network	Partially Complete	Prior to FY 1995		California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (Rallus longirostris levipes)	3	2446	Santa Ana River Mouth: Control sedimentation	Not Started			California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (Rallus longirostris levipes)	3	2447	Santa Ana River Mouth: Identify and resolve water quality problems	Partially Complete	Prior to FY 1995		California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (Rallus longirostris levipes)	3	251	Buena Vista Lagoon: Assess potential for rails	Ongoing Current	Prior to FY 1995		California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	If good potential, undertake following actions.
Light-footed clapper rail (Rallus longirostris levipes)	3	2521	Buena Vista Lagoon: I.D. land ownership and pursue protective measures	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (Rallus longirostris levipes)	3	2522	Buena Vista Lagoon: Develop high marsh	Partially Complete	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (Rallus longirostris levipes)	3	253	Batiquitos Lagoon: Assess potential for rails	Ongoing Current	Prior to FY 1995		California Department of Fish and Game	Research: Habitat Status	Labor type not yet selected	If good potential, undertake following actions.
Light-footed clapper rail (Rallus longirostris levipes)	3	2541	Batiquitos Lagoon: I.D. land ownership and pursue protective measures	Complete	Prior to FY 1995	FY 1995 - FY 1999	California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	CDFG conducting regular mangagement
Light-footed clapper rail (Rallus longirostris levipes)	3	2542	Batiquitos Lagoon: Improve / restore tidal action	Complete	Prior to FY 1995	FY 1995 - FY 1999	U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	cdfg dredging to increase tidal influence

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2543	Batiquitos Lagoon: Develop fringing freshwater marsh	Complete	Prior to FY 1995	FY 1995 - FY 1999	U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2544	Batiquitos Lagoon: Develop low marsh including planting Spartina	Complete	Prior to FY 1995	FY 2000 - FY 2004	U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	255	San Dieguito Lagoon: Assess potential for rails	Ongoing Current	Prior to FY 1995		California Department of Fish and Game	Research: Habitat Status	Labor type not yet selected	If good potential, undertake following actions.
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2561	San Dieguito Lagoon: I.D. land ownership and pursue protective measures	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Management: Land Use	Labor type not yet selected	CDFG conducting regular mangagement
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2562	San Dieguito Lagoon: Improve / restore tidal action	Ongoing Current	FY 2008		U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	Currently working with partners to improve dredging / restoration activities in river channel.
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2563	San Dieguito Lagoon: Develop fringing freshwater marsh	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	Working through CEQA review on proposed projects to improve river channel habitat.
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2564	San Dieguito Lagoon: Create nest hummocks	Obsolete			California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2565	San Dieguito Lagoon: Create low marsh including planting Spartina	Ongoing Current	FY 2008		U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	257	Los Penasquitos Lagoon: Assess potential for rails	Ongoing Current	Prior to FY 1995		California Department of Fish and Game	Research: Habitat Status	Labor type not yet selected	If good potential, undertake additional actions.

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2581	Los Penasquitos Lagoon: I.D. land ownership and pursue protective measures	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Management: Land Use	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2582	Los Penasquitos Lagoon: Improve / restore tidal action	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	Completed informal consultation with Cal Parks and Rec and LP Friends on lagoon mouth dredging and maintenance.
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2583	Los Penasquitos Lagoon: Develop fringing freshwater marsh	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2584	Los Penasquitos Lagoon: Develop low marsh including planting <i>Spartina</i>	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2585	Los Penasquitos Lagoon: Control sedimentation	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	Continue to work with stakeholders to dredge lagoon.
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2586	Los Penasquitos Lagoon: Identify water quality problems	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Environmental Contaminants, California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	Continue to work with stakeholders to dredge lagoon.
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2587	Los Penasquitos Lagoon: Improve tidal channel network	Not Started			California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	Completed informal consultation with Cal Parks and Rec and LPL Friends on lagoon mouth dredging and maintenance.
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	2591	Assess potential for rails at Dairy Mart Pond & Control human disturbance	Ongoing Current	Prior to FY 1995		California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	

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Light-footed clapper rail (Rallus longirostris levipes)	3	2592	Determine potential for rails at San Mateo Creek Marsh	Discontinued	Prior to FY 1995		United States Navy	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (Rallus longirostris levipes)	3	2593	Determine potential for rails at Las Pulgas Creek	Discontinued	Prior to FY 1995		United States Navy	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (Rallus longirostris levipes)	3	2594	Determine potential for rails at Los Flores Marsh	Discontinued	Prior to FY 1995		United States Navy	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (Rallus longirostris levipes)	3	311	Determine parameters limiting population at Mugu Lagoon	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game, United States Navy	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (Rallus longirostris levipes)	1	312	Determine parameters limiting population at Anaheim Bay	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service National Wildlife Refuge System, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (Rallus longirostris levipes)	1	313	Investigate factors limiting rail pop. Size in other marshes	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (Rallus longirostris levipes)	1	32	Investigate Spartina community dynamics	Ongoing Not Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (Rallus longirostris levipes)	1	33	Examine rail population dynamics	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (Rallus longirostris levipes)	1	34	Assess rail habitat requirements	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (Rallus longirostris levipes)	1	35	Analyze rail habitat utilization patterns	Partially Complete	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	

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Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	2	36	Examine rail breeding biology	Partially Complete	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	2	37	Determine foraging time budgets in different habitats	Partially Complete	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	38	Assess growth rate and development	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	1	411	Determine numbers, distribution, population trends on annual basis in U.S.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	Richard Zembel has completed the 2010 annual census and breeding pairs surveys.
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	2	412	Surveys to determine numbers and distribution every third year in Mexico	Ongoing Not Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	1	413	Maintain surveillance for pollutants	Ongoing Not Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	1	4141	Establish and monitor permanent vegetation transects: Upper Newport Bay	Ongoing Current	Prior to FY 1995		California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	Vegetation monitoring has been reinitiated over the near term in association with UNBERP dredging project.
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	1	4142	Establish and monitor permanent vegetation transects: Tijuana Marsh	Ongoing Not Current	Prior to FY 1995		U.S. Fish and Wildlife Service National Wildlife Refuge System	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	1	4143	Establish and monitor permanent vegetation transects: Anaheim Bay	Ongoing Not Current	Prior to FY 1995		U.S. Fish and Wildlife Service National Wildlife Refuge System	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	2	42	Evaluate interrelationships of tidal dynamics and habitat quality	Partially Complete	Prior to FY 1995		California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	

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Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	43	Determine changes in land use, vegetation distribution, and overall habitat quality	Ongoing Not Current	Prior to FY 1995		California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	2	441	Assess spp. Composition, density, distribution of invertebrate populations	Discontinued	Prior to FY 1995		California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	2	442	Determine pesticide load on invertebrate populations	Discontinued	Prior to FY 1995		California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	To be completed FY-4
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	2	45	Monitor water quality	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	2	46	Monitor effects of sand removal on vegetation in Tijuana Marsh	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	5	Maintain and revise essential habitat maps	Discontinued	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	6	Inform public of rail program status and conservation efforts	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	1	71	Enforce existing laws and regulations	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Law Enforcement Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	72	Evaluation effectiveness of laws	Not Started			U.S. Fish and Wildlife Service, Law Enforcement Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	

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Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	3	73	Propose appropriate new laws / regulations	Not Started			U.S. Fish and Wildlife Service, Law Enforcement Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Light-footed clapper rail (<i>Rallus longirostris levipes</i>)	1	74	Develop and implement oil containment strategies	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Minerals Management Service	Work type not yet selected	Labor type not yet selected	